Big-data interactive visualization of global croplands dynamic data layers from satellite imagery

VIRTUAL STUDENT FOREIGN SERVICE
V S F S

Project Title	Big-data interactive visualization of global croplands dynamic data layers from satellite imagery
Project Summary	visualizing our 30-m dataset on planetary-scale analysis Google Earth Engine computing platform, and presenting geo-tagged statistics data using popular web-based visualization tools
Country	United States
Agency	Geological Survey
DoS Office	N/A
Post	N/A
Section	N/A
Number of Interns	2

Project Description

The candidate will support the Global Food Security Analysis-Support Data at 30 Meters (GFSAD30) Project in providing in-depth analysis and impressive visualization of how global croplands change in the past forty years and how this information can be applied to achieve global food security analysis. This will include efforts on visualizing our 30-m dataset on planetary-scale analysis Google Earth Engine computing platform, and presenting geo-tagged statistics data using popular web-based visualization tools (Google Chart, D3 or anything else). This internship will be a great opportunity to learn about the latest advances in cloud computing geospatial analysis and to understand how these can be applied within the policy-support context, while gaining a deeper understanding of the complexity of the agriculture development challenges facing the diversity of countries in Asia and Africa.

Desired Skills Interests

Additional Information

None

Language Requirements

None